

United States Patent and Trademark Office

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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

11/25/2003

MCGUIRE WOOD LLP 1750 TYSONS BOULEVARD SUITE 1800 MCLEAN, VA 22102

EXA	MINER
QUARTER	MAN, KEVIN J
ART UNIT	PAPER NUMBER
	•

DATE MAILED: 11/25/2003

- 1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	09/978,271	10/17/2001	Chan Jac Lee	06161.0014.NPUS00	4445

TITLE OF INVENTION: FIELD EMISSION DISPLAY DEVICE HAVING CARBON NANOTUBE EMITTER

1	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
•	nonprovisional	NO	\$1330	\$300	\$1630	02/25/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents

			P.O. Box 1450 Alexandria, Virginia 22313-1450 (703) 746-4000			
INSTRUCTIONS: This for appropriate. All further corrindicated unless corrected b maintenance fee notification	m should be used for tran respondence including the selow or directed otherwise s.	Patent, advance order in Block 1, by (a)	E FEE and PUBLIC ders and notification) specifying a new c	CATION FEE (if recommended of maintenance fees perrespondence addresses	quired). Blocks 1 through 4 s s will be mailed to the current ss; and/or (b) indicating a scp	should be completed where correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE	E ADDRESS (Note: Legibly mark-up 90 11/25/2003	with any corrections or	use Block 1)	Fee(s) Transmittal.	of mailing can only be used f This certificate cannot be used onal paper, such as an assignment cate of mailing or transmission.	for any other accompanying
MCGUIRE WOO 1750 TYSONS BO SUITE 1800 MCLEAN, VA 221	ULEVARD			I hereby certify that States Postal Service addressed to the M	Certificate of Mailing or Tran this Fee(s) Transmittal is bein e with sufficient postage for fin fail Stop ISSUE FEE address SPTO, on the date indicated be	g deposited with the United st class mail in an envelope above, or being facsimile
1110~21111, 171221	~~					(Depositor's name)
						(Signature)
						(Date)
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QUARTERMA	N, KEVIN J	2879		313-496000		
Address form PTO/SB/12 "Fee Address" indication	nce address (or Change of C	Correspondence	names of up to agents OR, altern firm (having as a agent) and the na	the patent front pag 3 registered patent attively, (2) the nam member a registere- mes of up to 2 regists. If no name is list	attorneys or 1e of a single d attorney or 2estored patent	
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT (print of	or type)		
PLEASE NOTE: Unless a been previously submitted (A) NAME OF ASSIGNE	to the USPIO or is being s	submitted under sep	ata will appear on the parate cover. Complet (CIT) RESIDENCE: (CIT)	ion of this form is No	assignce data is only appropri OT a substitute for filing an ass OUNTRY)	ate when an assignment has ignment.
Please check the appropriate		ries (will not be pri	nted on the patent);	individual C	corporation or other private g	roup entity 🚨 government
4a. The following fee(s) are c	enclosed:		Payment of Fee(s):			
☐ Issue Fee ☐ Publication Fee			 A check in the am Payment by credit 	` ,		
	Copies		• •	ereby authorized by	charge the required fee(s), or (enclose an extra c	credit any overpayment, to
Director for Patents is reques	ted to apply the Issue Fcc ar				l issue fee to the application ide	··-
(Authorized Signature)		(Date)				
NOTE; The Issue Fee and other than the applicant; a interest as shown by the rec	Publication Fee (if require registered attorney or age ords of the United States Pa	ed) will not be accent; or the assigned	cepted from anyone c or other party in c Office.			
This collection of informat obtain or retain a benefit by application. Confidentiality estimated to take 12 minute completed application form case. Any comments on the suggestions for reducing the Patent and Trademark O 22313-1450. DO NOT SE SEND TO: Commissioner for the suggestions for the suggestions for the suggestions for reducing the Patent and Trademark O 22313-1450. DO NOT SE SEND TO: Commissioner for the suggestions of	ion is required by 37 CFR y the public which is to fi is governed by 35 U.S.C. I is to complete, including ga to the USPTO. Time will be amount of time you r is burden, should be sent tiffice, U.S. Department of the Complete or Patents, Alexandria, Virgor Patents, Alexandria, Virgor to the public which is the public of Patents, Alexandria, Virgor the public	1.311. The inform le (and by the USI 22 and 37 CFR 1.1 thering, preparing, I vary depending to equire to complete to the Chief Inform of Commerce, AI TED FORMS TO thin a 22313-1450.	ation is required to PTO to process) and 4. This collection is and submitting the upon the individual ethis form and/or nation Officer, U.S. lexandria, Virginia THIS ADDRESS.			

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MCLEAN, VA 221	02		2879	

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 154 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 154 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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MCLEAN, VA 22	MCLEAN, VA 22102			

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Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fed. Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

(b) Issue fee for issuing a design patent:

(c) Issue fee for issuing a plant patent:

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.